JP AVIONICS

EXTERNAL POWER UNIT

FOR GENERAL AVIATION AIRCRAFT

USER MANUAL (STANDARD)

Power your avionics with this portable and yet powerful external power unit (EPU). It gives you time to familiarize yourself with your latest avionics or enter your flightplan into your avionics. You no longer have to worry if the aircraft will start after draining the battery for some while. The EPU will power your avionics or aircraft systems without draining the aircraft battery.

Before connection the EPU:

- Make sure you locate the EPU where the unit stays dry at all times. The EPU should not be used outside during rain or snow conditions. ***Make sure the aircraft is in a safe state to apply electrical power!***

Connecting the EPU:

- Make sure you've got the correct EPU. It will be either for 12 or 24 Volt aircraft. Only use the EPU when the voltage of the EPU and aircraft system matches or damage may occur. You will find the output voltage on the lower right corner of the EPU front panel. You might be able to find the aircraft system voltage near the external power plug. ***The exact same kind of plugs are used for both 12 and 24 Volt aircraft. You're unable to tell the aircraft system voltage by plug style! If unsure about the aircraft system voltage, do not connect and consult owner.***

- Plug in the mains connection. You can use any mains system with an voltage between 100-250 Volt AC (50-60 Hz). An adapter has to be used in some countries.

Using the EPU:

- If the EPU receives main power input the unit will turn automatically. The output will turn on and the green POWER LED on the front panel will turn on. The red FAIL light is discussed at problems. ***Note:*** It's normal for the red FAIL LED to come on when switching the unit off by unplugging the mains connection

- Use the EPU only for powering your avionics or aircraft systems. Keep in mind the allowable current drain. ***NEVER use the EPU to start the aircraft engine! Damage to the EPU might occur.***

Problems:

- The EPU has build in temperature and voltage monitor and protection systems. The power supply will switch off when voltage or temperature goes out of tolerance. This situation will be indicated by the red FAIL LED on the front panel.
  Note: It's normal for the red FAIL LED to come on when switching the unit off by unplugging the mains connection.

Specifications:

Model	EPU1250	EPU2430
Output voltage:	13 Volt DC	26 Volt DC
Output current:	50 Amp. Max.	30 Amp. Max.
Mains input voltage:	100 – 250 Volt AC (50-60 Hz)	100 – 250 V AC (50-60 Hz)
Dimensions:	435 x 293 x 122 mm	435 x 293 x 122 mm
Weight :	6 kg	6 kg
Annunciator:	Power / Fail LED	Power / Fail LED
Connector :	Single pole (Piper) or Three pole (Cessna)	Single pole (Piper) or Three pole (Cessna)